

April 9, 2010

AL'S CONCRETE PRODUCTS, INC.
CHARLES MACH
800 TOWNHALL ROAD
LA CRESCENT MN 55947

Re: Description: **SEWAGE TREATMENT APPARATUS & TANK SYSTEM [SEE STA -SEWAGE TREATMENT APPARATUS]**
Manufacturer: AL'S CONCRETE PRODUCTS, INC.
Product Name: (WAS 20090358) 1230 BIO-MICROBICS MICROFAST 0.5, 0.75, 0.9, 1.5 AND HIGH STRENGTH 1.5 OR **DELTA ECO-POD E-50, E-60, E-75**
Model Number(s): 1230 FAST
1242 ECO-POD
[44.5 IN. L.L.; 27.6 GAL./IN.; TANK DIMENSIONS 82 IN. L X 74 IN. W; 378 GPD WHEN USED AS A SEPTIC TANK BASED ON A 3 YR. SERVICE INTERVAL FOR RESIDENTIAL WASTEWATER]
Product File No: 20100107

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. **This approval is valid until the end of April 2015.**

This approval is contingent upon compliance with the following stipulation(s):

- This tank must be designed to withstand the pressures to which it will be subjected.
- The manufacturer must keep at the manufacturing plant a set of plans and specifications bearing the department's stamp of approval. The plans and specifications must be open to inspection by an authorized representative of the department.
- This product must be installed in accordance with the manufacturer's printed instructions, product approval and the plan approval. If there is a conflict between the manufacturer's instructions and the plan approval, the plan approval will take precedence.
- This product is approved to use the following:
 - Pipe materials constructed in conformance with Table 84.30-2 or 84.30-11, Wis. Admin. Code poured into tank cover or access cover.
 - Four inch discharge opening in riser.
 - Bottom and side pipe openings for siphon, pump and holding tanks.
 - Six inch inlet and outlet openings.
 - Two inch schedule 40 PVC cast in riser for electrical wiring.
 - Press Seal "Cast-A-Seal" and PSX Gasket System by Press Seal Gasket Corp., Polylok II High Pressure Pipe Seal by Polylok, and A-Lok X-Cel by A-Lok Products, Inc..
 - Dual inlets at end of tank with one access opening above both inlets.
 - Dual inlets at end of tank with one access opening above each inlet.
 - Department approved effluent filter designed to be installed in a four inch diameter tee with extension and installed in accordance with the product approval for the filter including a properly sized and located access opening for service and maintenance.
 - Department approved plastic risers and covers installed as required by product approval for the plastic risers and covers with the first riser cast into cover at time of tank production.

- Bedding: A minimum of 4 in. sand or gravel bedding overlying a firm and uniform base is recommended, unless otherwise specified. Tanks should not bear on large boulders or massive rock edges. Correct compaction of bedding material is critical to ensure there is no differential settling.
- Also refer to the Commerce product approval stipulations for the sewage treatment apparatus, which may include: maximum daily wastewater flow, influent strength, maximum BOD5, and maintenance intervals.
- To determine treatment credits for residential and commercial POWTS designs, see stipulations regarding max. BOD5, DWF, approved effluent filters, etc. contained in approval letters for the specific treatment device; see <http://commerce.wi.gov/SB/SB-ProductsEvalProgram.html#Plum>.

This approval supersedes the approval issued on 3/29/2005 under product file number 20090358.

This approval letter shall be incorporated with your previously approved plans and/or specifications approved under product file number 20090358.

As of May 15, 2008, a copy of a successful water tightness test report for this product must be AVAILABLE FOR INSPECTION AT THE MANUFACTURER'S PLANT prior to this product being used as a POWTS holding or treatment tank in Wisconsin.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Jean M. MacCubbin, CST
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Commerce; Safety & Buildings Div.
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